



Construction programme of high speed railways in Poland

July 2011

General information

Within the framework of realizing of Construction programme of high speed railways in Poland the following essential studies are being prepared:

1. Feasibility study for constructing high speed line Warszawa – Łódź – Poznań / Wrocław
2. Feasibility study for adjusting railway junction in Wrocław, Poznań and Łódź to the high speed railway operations and assuring its intermodality with other means of transport
3. Feasibility study– pre-designed documentation for modernization E 65 South line on section Grodzisk Mazowiecki – Kraków / Katowice – Zwardoń / Zebrzydowice – country's border.
4. Preparation and implementing technical standards and legislation for high speed railways
5. Feasibility study which key element is cross city tunnel with underground stations and high speed tunnel.

Feasibility study for constructing high speed line Warszawa – Łódź – Poznań/Wrocław – information about the agreement

Agreement № 70/701/003/00/12000105/10/II

Signed 16 September 2010 in Warsaw

Parties:

■ PKP Polish Railway Lines.;

Consortium:

■ Ingenieria IDOM Internacional S.A.
from Madrid (consortium's leader),

■ Transportation Design Office Co.Ltd. in Poznan

Contract delivery date: 27 months

Part I – 17.10.2011

Part II – 17.12.2012



Performance of a contract

- **Report № 1** – Basic technical and geometrical parameters for designed high speed line - received
- **Report № 2** – Methodology and concept of realization of the order - received
- **Report № 3** – Preliminary analysis - received
- **Report № 4** – Design approach of track and turnouts superstructure for high speed lines - received
- **Report № 5** – Analysis of demand and supply: the assessment and verification is being done by Investment Projects Assessment Team (ZOPI) which is working within PKP Polish Railway Lines' structure – under assessment
- The results of preliminary routing of three options of Y line (as a part of Report **№ 6**) where accepted for further studies by PKP PLK S.A. Management Board on 21 January 2011

Next tasks - 1st part of the Agreement

- 01.08.2011 delivering date of Report № 6 – Technical analysis
At present the next stage of routing is being prepared (Report № 6) – detailed routing, which in May 2011 were presented to i self government bodies, road managers and other concerned parties for consultation.
- 16.09.2011 Report № 9 – Administration and legal analysis
- 20.09.2011 Report № 7 – Environmental documentation and
Report № 8 – Technical and economic analysis
- 17.10.2011 Report № 10 – Recommendation of option of constructing high speed line



Feasibility study for adjusting railway junction in Wrocław, Poznań and Łódź to the high speed railway operations and assuring its intermodality with other means of transport

According to the schedule of the project POliŚ 7.1-26 „Preparation of the high speed railway construction” on 15 April 2011 the tender process for Feasibility study for adjusting railway junction in Wrocław, Poznań and Łódź to the high speed railway operations and assuring its intermodality with other means of transport was started.

On 27 June 2011 the tender was opened. At present the tender committee is analysing the offers made in tender in terms of their conformity with formal and technical requirements.

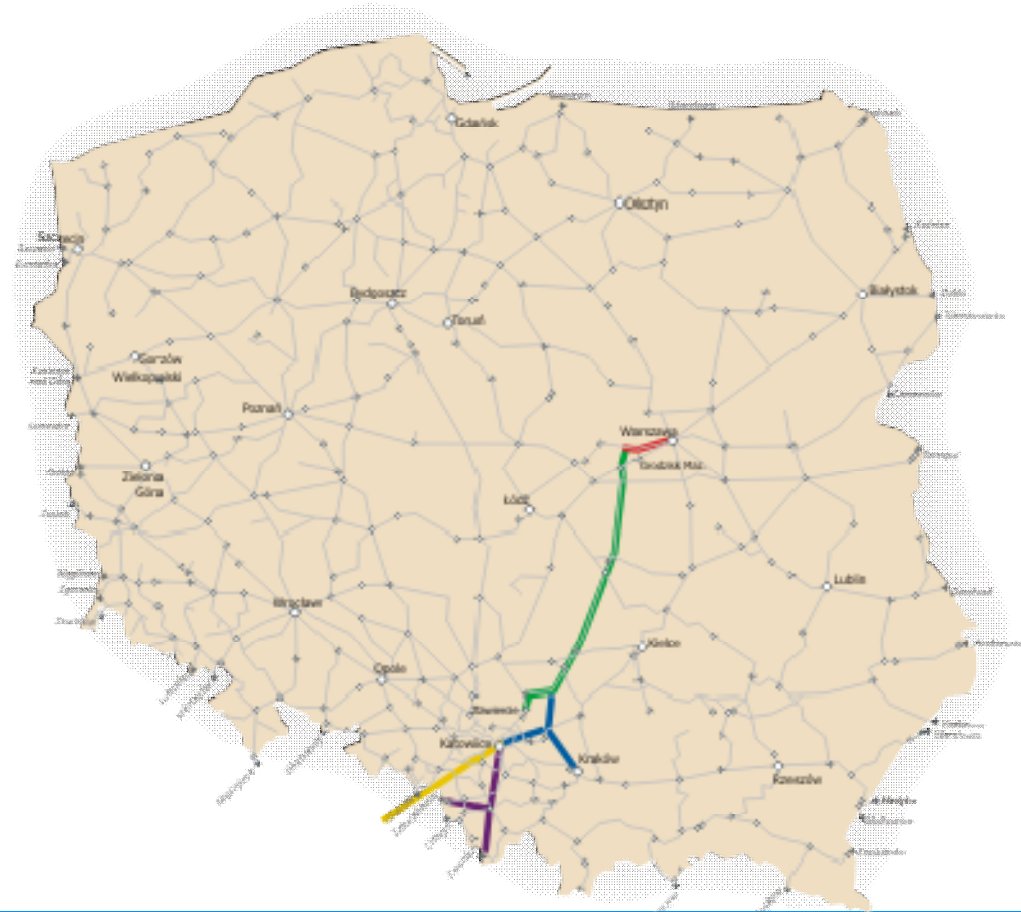
Signing the agreement is planned on 7 September 2011.

Order delivery date - 930 days from the date of signing the agreement.

The realization of 9 stages of feasibility study should end in 2nd quarter 2014.

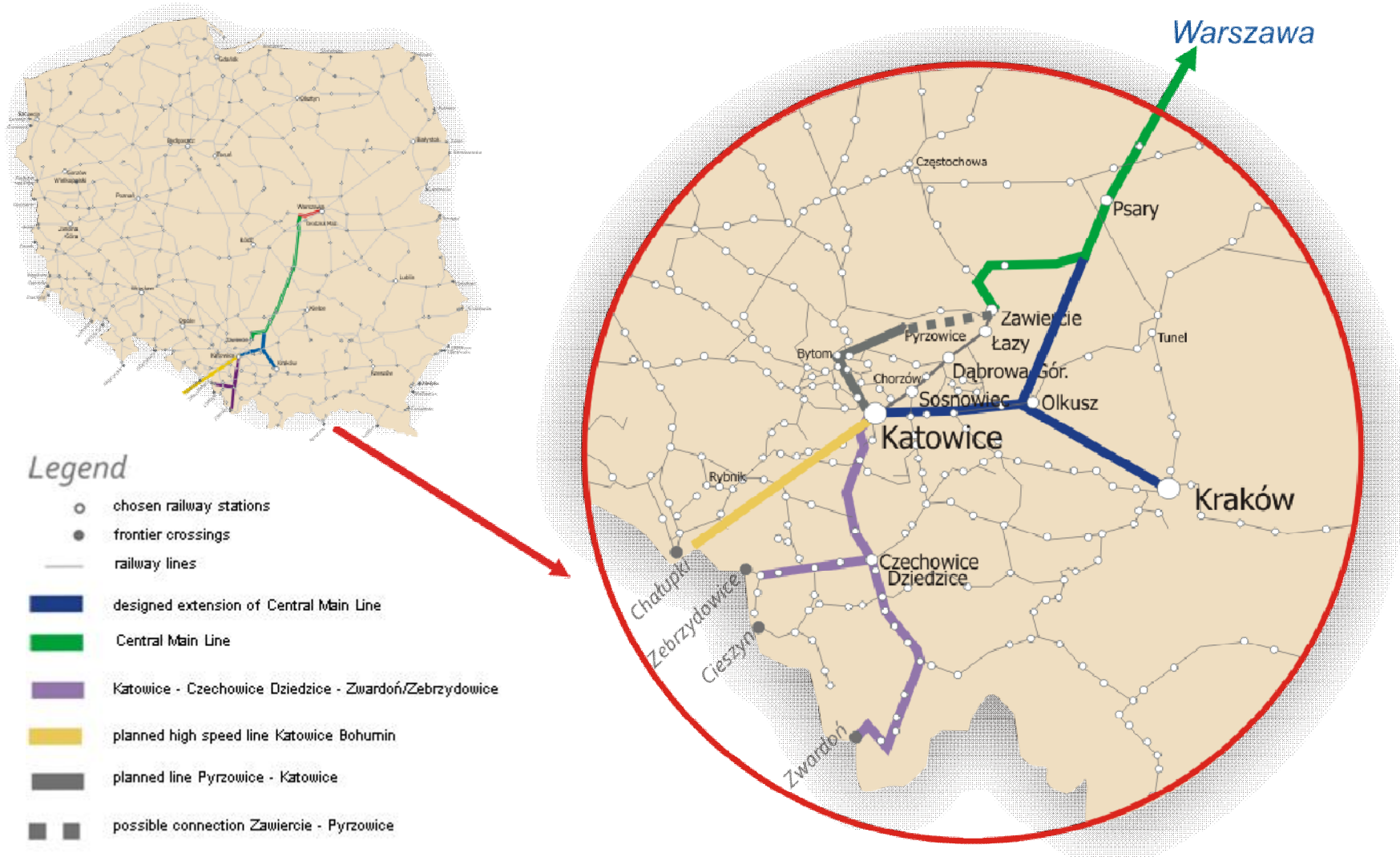
Modernization of E 65 South line – from Grodzisk Mazowiecki – Kraków/Katowice – Zwardoń/Zebrzydowice – to Southern border

Agreement №:
FS 2006/PL/16/C/PA/002 – 01
signed
10 June 2009 in Warsaw





Modernization of E65 South Line



Modernization options

Task 1: Grodzisk Mazowiecki – Zawiercie (CMK)

- **Option 3:** $V = 300$ km/h, AC 2 x 25 kV, 50 Hz; Modernization of CMK line

*Option approved for further studies by Resolution of PKP PLK S.A. Management Board
№ 450/2010 on 7 September 2010*

Task 2: Section Góra Włodowska/Zawiercie – Katowice

- **Option 4:** $V = 300$ km/h, AC 2 x 25 kV, 50 Hz; constructing new section of line
CMK Góra Włodowska (Nakło) – Trzebinia (Olkusz Południe) – Katowice

*Option approved for further studies by Resolution of PKP PLK S.A. Management Board
№ 279/2011 on 26 April 2011*

Task 3: Branch line from CMK to Krakow:

Włoszczowa/Psary/Góra Włodowska – Krakow

- **Option 4:** $V = 300$ km/h, AC 2 x 25 kV, 50 Hz; constructing new section of line
Góra Włodowska (Nakło) – Trzebinia (Olkusz Południe) – Kraków

*Option approved for further studies by Resolution of PKP PLK S.A. Management Board
№ 279/2011 on 26 April 2011*

Modernization options

Task 4.1: section Katowice – Zwardoń – country's border

- **Option 1:** $V = 160$ km/h, DC 3000 V – modernization of line with permissible speed limits to $V = 80 - 120$ km/h in places where reconstruction up to $V = 160$ km/h will be impossible or economically unjustified

*Option approved for further studies by Resolution of PKP PLK S.A. Management Board
№ 450/2010 on 7 September 2010*

Task 4.2: section Katowice – Zebrzydowice – country's border

- **Option 1:** $V = 160$ km/h, DC 3000 V – modernization of line with permissible speed limits

*Option approved for further studies by Resolution of PKP PLK S.A. Management Board
№ 450/2010 on 7 September 2010*

Polish - German Dialogue

- Declaration of Cooperation among Presidents of Managements Boards of PKP PLK S.A. and DB Netz in terms of high speed lines connections – **6.IX.2010**;
- 2. Initializing of works aimed at creating working group on infrastructure managers level: DB Netz and PKP PLK S.A. – **IX.2010**;
- 3. The meeting on infrastructure managers level – **16.XII.2010**
PKP Polish Railway Lines S.A prepared the project of declaration of cooperation in terms of elaborating common feasibility studies together with pre-designed documentation.
- 4. A meeting between representatives of Infrastructure Ministry from Poland and German Ministry of Transport, Building and Urban Affairs – **23.V.2011**. Berlin.
- 5. Warsaw, 21 June 2011, Polish Minister of Infrastructure met with German Minister of Transport, Building and Urban Affairs. The meeting was held before the announcement of a joint statement by the governments of Poland and Germany on the occasion of the 20th anniversary of the Treaty between the Republic of Poland and the Federal Republic of Germany on good neighbourly relations and friendly cooperation of 17 June 1991. The declaration is also the wish to continue cooperation on high speed lines between Poland and Germany development.

Planned activities in terms of railway connections with western Europe

Declaration of infrastructure ministers of Visegrad Group in terms of high speed railway network in Central Europe, 20 April 2010

Further actions:

- consultations with Germany, Slovakia and Czech Republic development of common studies to choose final route of new lines
- application of proposal to include chosen lines into TEN-T



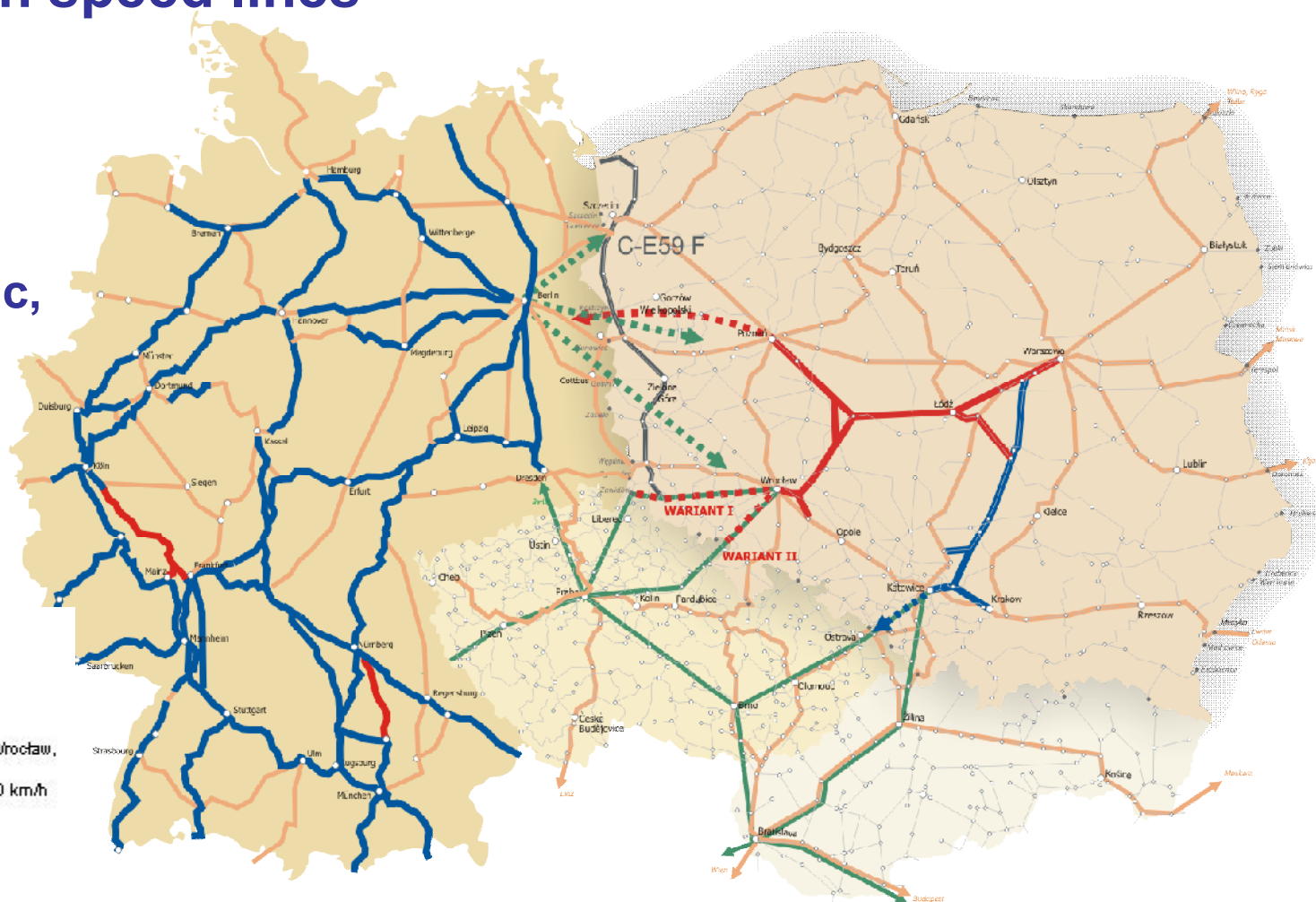


Planned high speed lines in Poland.

Directions:
Germany,
Czech Republic,
Slovakia.

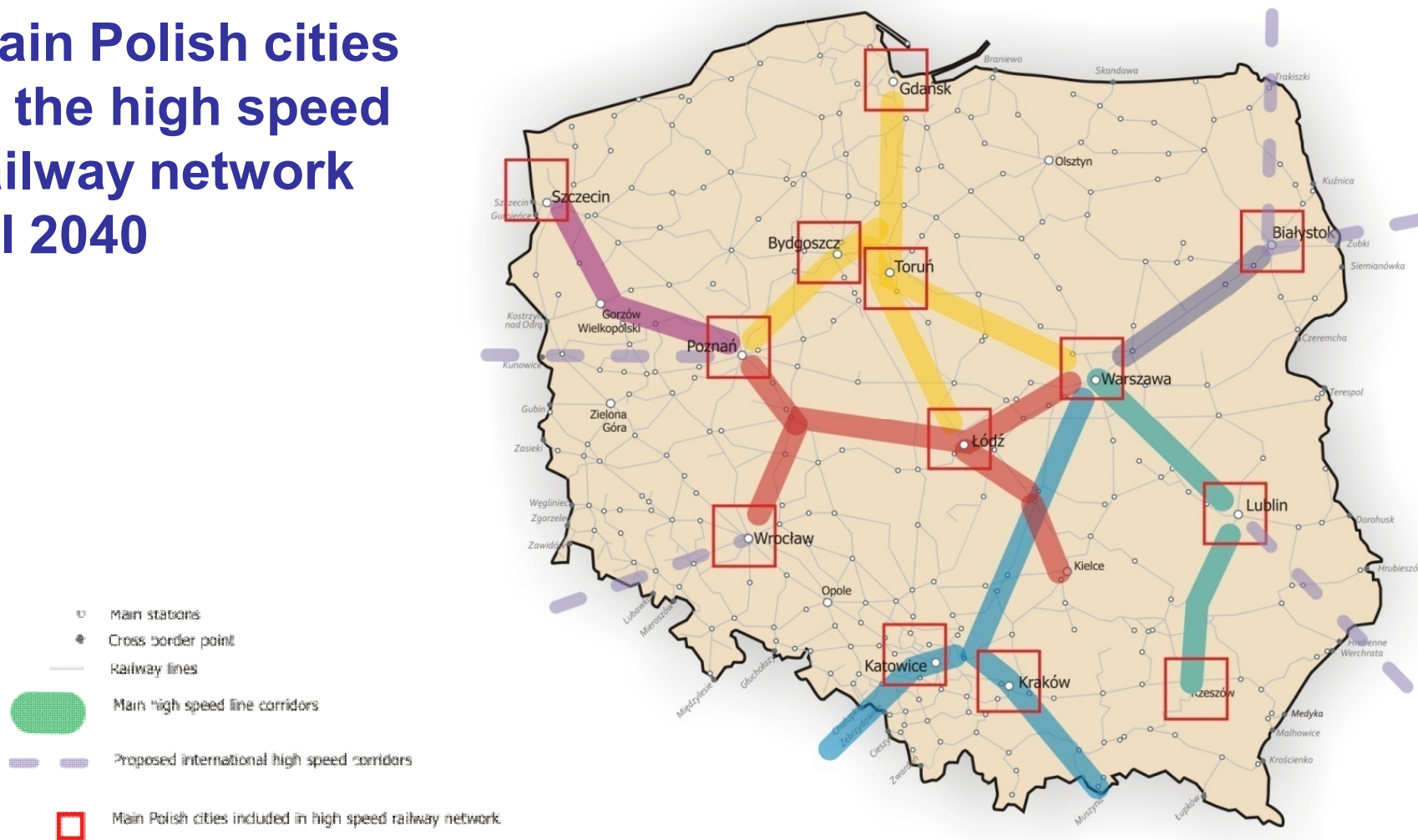
Legend

- chosen railway stations
- frontier crossings
- railway lines
- main passenger railway lines
- "Y" Line Warszawa - Łódź - Poznań/Wrocław, in 2014 - 2020, $v = 350 \text{ km/h}$
- Central Main Line adjusted to $v \geq 250 \text{ km/h}$
- planned high speed lines in Europe
- freight line C-E59





Main Polish cities in the high speed railway network till 2040

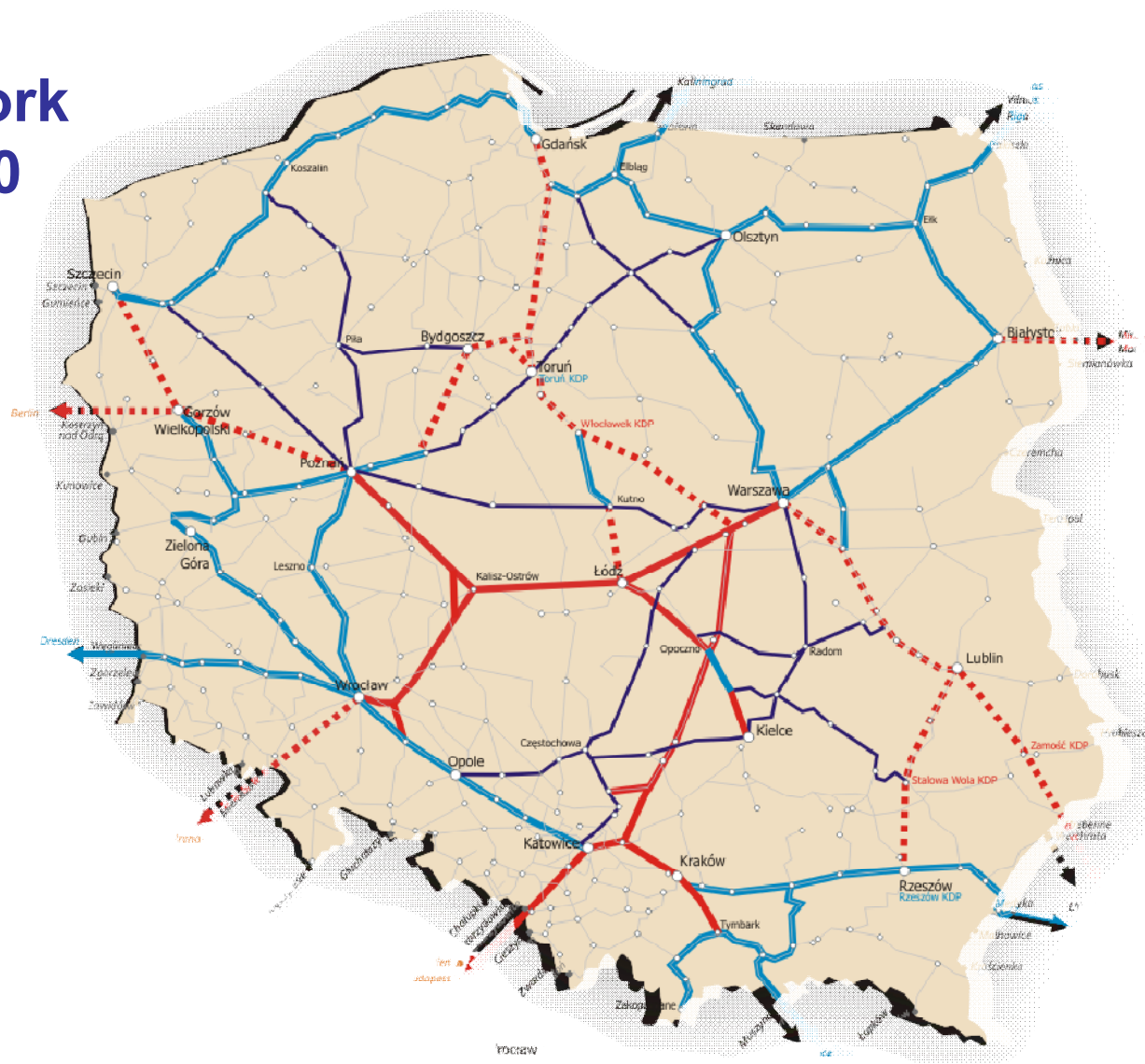




Proposed HS Network in Poland up to 2050

Legend

- chosen railway stations
- frontier crossing
- railway lines
- new lines - 2020 perspective
- modernized lines - 2030 perspective
- new lines - further perspective





Thank you for your attention

The project is subsidized by EU Cohesion Fund Operational Programme Infrastructure and Environment